

Date: Sun, 18 Jul 93 21:59:05 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #870
To: Info-Hams

Info-Hams Digest Sun, 18 Jul 93 Volume 93 : Issue 870

Today's Topics:

 6 Mtr Halo Help
 Additional Bands for the Quagi
 Alinco DJ-580 and New Duckie
 Amateur BBS in Northern VA ?
 America's Technology Store (was: new Radio Shack HT)
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 Icom, there when needed?
 LUNCH (2 msgs)
 Power lines in car for a mobile radio
 QST CD-ROM (2 msgs)
 Standard C5608DA X-band repeat?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 15 Jul 1993 18:40:59 GMT
From: boulder!tali.hsc.colorado.edu!wom.HSC.Colorado.EDU!debert@uunet.uu.net
Subject: 6 Mtr Halo Help
To: info-hams@ucsd.edu

I have a Saturn (3 loop) Halo antenna for 6 meters. It is missing whatever
matching/balun lashup that matches the antenna to the feedline. Does anyone
have information that can help? Please respond here or by EMail to
dne@data.hsc.colorado.edu

Thanks & 73

Dave

Date: Sun, 18 Jul 1993 16:13:20 GMT
From: olivea!apple.com!netcomsv!netcom.com!netcomsv!bongo!julian@ames.arpa
Subject: Additional Bands for the Quagi
To: info-hams@ucsd.edu

There has been much interest in this topic. So for the second time in my life, I have lovingly typed in this article from the Hints and Kinks section in QST.

Date: Sun, 18 Jul 1993 22:27:29 GMT
From: olivea!apple.com!netcomsv!netcom.com!mjr@decwrl.dec.com
Subject: Alinco DJ-580 and New Duckie
To: info-hams@ucsd.edu

In article <229cni\$hjg@sun1.clark.net> andy@clark.net (Andrew M. Cohn) writes:
>
>Recently I purchased their model KD4 2/70 dual-band rubber duck for my
>Alinco DJ-580.

Yup... Got one myself. A wonderful antenna, I highly recommend it. Had an MFJ 19" extendable whip which works just as well (extended) but is a pain to carry around that way... Collapsing and extending it all the time was getting real tiresome, so I tried the Larsen... Good choice.

--
matthew rapaport Philosopher/Programmer At Large KD6KVH
 mjr@netcom.com 70371.255@compuserve.com

Date: 18 Jul 1993 03:31:39 GMT
From: agate!darkstar.UCSC.EDU!cats.ucsc.edu!burchell@ames.arpa
Subject: Amateur BBS in Northern VA ?
To: info-hams@ucsd.edu

In <1993Jul15.111521.32701@pbs.org> jernandez@pbs.org writes:

> Can someone please list the phone numbers for BBS dedicated to
> amateur radio in the Northern VA/Washington DC area ?

Yep, you're in a handy place to find a landline BBS dedicated to ham
radio...

AMRAD 703-734-1387 There should be a list of others available on there

-Tox

Date: Sun, 18 Jul 1993 00:51:20 GMT
From: olivea!news.bu.edu!dartvax!Kenneth.E.Harker@ames.arpa
Subject: America's Technology Store (was: new Radio Shack HT)
To: info-hams@ucsd.edu

In article <1993Jul14.154248.19099@en.ecn.purdue.edu>
n9ljx@en.ecn.purdue.edu (Scott A Stambaugh) writes:

> Unfortunately they are a little more aggressive around here. I recently went
> in looking for a replacement telescopic whip for an old Bearcat xtal scanner.
> The salespuppy told me they didn't carry that style and that what I really
> needed to do was buy a new scanner! What a deal..try to make a \$300 sale from
> someone who is looking to spend \$1.50!

Well, the reason for this sort of behavior is that in all
Tandy-owned Radio Shacks, the employees work on commission rather than
an hourly salary. When I worked for them, they made it even worse by
staffing my store with ten employees instead of the six it should have
had. On any given week, only about three or four of the employees
would sell enough to have their commission clear minimum wage. What's
even worse, is that you have high incentives not to claim the hour
before the store opens or the hour before it closes on your time card,
since that lowers your dollar per hour. And it makes the salespeople
more aggressive than they should be, since they are competing against
each other.

All in all, the system really sucks. Of course, I did buy my
DX-440 with the 20% employee discount when it was on sale...

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=====
      Ken Harker      "And there's bound to be rough waters
"Remember the Alamo! Remember      And I know I'll take some falls
Goliad!" - San Jacinto, 1836      But with the good Lord as my captain
Kenneth.E.Harker@Dartmouth.Edu      I can make it through them all..."
      * Member of the EFF *      -Victoria Shaw, Garth Brooks
=====
```

Date: 18 Jul 1993 05:50:36 GMT
From: agate!howland.reston.ans.net!math.ohio-state.edu!news.acns.nwu.edu!
casbah.acns.nwu.edu!park@ames.arpa
Subject: Foreigner getting US liscence ?
To: info-hams@ucsd.edu

I'm an international student holding F-1 visa.
Having operated as a memeber of club station HL0U,
I'm pretty familiar with HAM but since I came to US I ignored
about HAM because I thought US and Korea don't have reciprocal
operation agreement and since I'm not a US citizen, I presumed
I can't get a US liscnce. But very recently, I've heard otherwise.
I've heard many JAs go to Guam to get US liscnec since it's pretty
convenient at times. So I ask now, is it possible for a non-US
citizen, non-permanent resident to get a US liscence ?
If it's possible, I'll definitely pursue it ..

Thanks in advance

--

Yongsup Park(9Z ?k <7) \ park@anmsd3.msd.anl.gov / Intentionally
Physics & Astronomy Dept. \ park@casbah.acns.nwu.edu / left as a
Northwestern University \ B40180@ANLCV1.BITNET / blank space.

Date: Sun, 18 Jul 1993 16:00:57 GMT
From: pacbell.com!amdahl!netcomsv!netcom.com!jfh@ames.arpa
Subject: Foreigner getting US liscence ?
To: info-hams@ucsd.edu

park@casbah.acns.nwu.edu (Yongsup Park) wrote:

>I'm an international student holding F-1 visa.
>Having operated as a memeber of club station HL0U,
>I'm pretty familiar with HAM but since I came to US I ignored
>about HAM because I thought US and Korea don't have reciprocal
>operation agreement and since I'm not a US citizen, I presumed
>I can't get a US liscnce. But very recently, I've heard otherwise.

Coorect.

>I've heard many JAs go to Guam to get US liscnec since it's pretty
>convenient at times. So I ask now, is it possible for a non-US
>citizen, non-permanent resident to get a US liscence ?

Yes, it is. You must have a US mailing address and be able to read and speak English well enough to pass the test and identify yourself on the air. Sounds like you meet both of those requirements.

You also cannot be a representative of a foreign government. I don't know why that requirement is there - a holdover from more jingoistic days?

About hams from other countries going to Guam - do they just get a post office box somewhere on American soil and have their mail forwarded?

--

Jack Hamilton jfh@netcom.com kd6ttl@n0ary.#nocal.ca.us.na (AMPR)
Post Office Box Box 281107 San Francisco, California 94128 USA

Date: Sun, 18 Jul 1993 19:45:54 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!gatech!concert!
unccsun.uncc.edu!jmcoving@network.ucsd.edu
Subject: Foreigner getting US liscence ?
To: info-hams@ucsd.edu

In article <jfhCADB5M.CLK@netcom.com> jfh@netcom.com (Jack Hamilton) writes:
>You also cannot be a representative of a foreign government. I don't know
>why that requirement is there - a holdover from more jingoistic days?

Most representatives of foreign governments have diplomatic immunity,
and therefore can't be fined by the FCC for breaking the rules.

--

John Covington WN4BBJ Internet: jmcoving@mosaic.uncc.edu
P.O. Box 217122 MCI Mail: JCOVINGTON 342-6957
Charlotte, NC 28221-7122 Packet Radio Mail: WN4BBJ @ N7IJI.#CLT1.NC.USA.NA
(704) 537-7653 "Kenneth, what's the frequency?" "I dunno, ask Dan"

Date: Sun, 18 Jul 1993 13:24:22 GMT
From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!torn!
watserv2.uwaterloo.ca!watserv1!mks.com!richw@network.ucsd.edu
Subject: How does an American sign in Canada?
To: info-hams@ucsd.edu

Earlier, I wrote:

Also, since an American or Canadian amateur operating in the other country is required to obey both countries' rules, . . .

to which Peter Laws replied:

I'm fairly certain that US law is completely irrelevant when operating in Canada. And vice versa.

Sorry my previous comments were unclear. Here's why I made them:

An amateur operating under a US license is expected by the FCC to abide by US amateur regulations, no matter where in the world he/she happens to be located at the time.

Likewise, an amateur from another country, operating in the US, is expected by the FCC to abide by US amateur regulations, even though his/her license may have been issued by another country.

Similarly for Canada (and presumably for other countries).

Hence, an American ham operating in Canada must obey US amateur regulations (since he/she is licensed by the US), as well as Canadian amateur regulations (since he/she is operating on Canadian territory). Similarly for a Canadian ham operating in the US.

Now, in practice, it may well be that a violation of this principle will go unnoticed, owing to inadequate enforcement of amateur rules in the US or Canada. But my point was what the =rules= require; and for the moment, I still believe what I originally posted is correct.

--

Rich Wales, VE3HKZ, WA6SGA // richw@mks.com // Mortice Kern Systems Inc.
35 King St. N. // Waterloo, Ontario, Canada N2J 2W9 // +1 (519) 884-2251

Date: 19 Jul 93 02:52:09 GMT
From: ogicse!uwm.edu!csd4.csd.uwm.edu!pachner@network.ucsd.edu
Subject: How does PA-6 interface with FT-23R
To: info-hams@ucsd.edu

How does the mobile 12V unit interface into the FT-23R? Is it 12V into the mini plug on the battery, or does it attach to the 12V clips on the bottem.

--

Thomas Jay Pachner ==- Music Major, Bassist, and Amateur Operator (soon)
University of Wisconsin - Milwaukee - pachner@csd4.csd.uwm.edu
Amateur Call Sign: Somewhere between Milwaukee and Gettysburg

Date: 18 Jul 93 07:29:27 GMT
From: ddsww1!indep1!clifto@uunet.uu.net
Subject: Icom, there when needed?
To: info-hams@ucsd.edu

In article <CAA61y.36n@cbnewsd.cb.att.com> russell@cbnewsd.cb.att.com
(russell.w.keating) writes:

>This post is not meant to put down Icom. I just wish to relay a story,
>one that is not over yet. Whether there is a happy ending or a sad
>ending to this story, I'll let you know when I find out.
> [...]
>I called the next day and was told that the unit would cost over \$400
>to repair! All the boards needed to be replaced except the logic board
>which was able to be repaired. One possible explanation given to me
>(after I explained to the technician how the radio died) was that it
>could have been caused by reverse polarity. From the battery packs?

I've had my problems with Icom also. Some years ago I ordered a 5.12 MHz
crystal for my IC-02AT, which bit the dust after a respectable number of years.
Got the crystal and installed it at work, where I did the troubleshooting
(reason I mention that is that I had to open and close the radio every time
I worked on it... you'll see more on this later). Nonworking radio.
Nothing from the crystal.

Spent several days troubleshooting, trying to find out why a brand-new
crystal wouldn't oscillate. Checked everything. Finally opened the radio
one time too many and the flexy PC board between Tx and Rx boards cracked.
At that point I knew I was dead in the water, so I pulled out the brand-new
crystal and tried it in a microprocessor-based card made where I worked;
DEAD NEW CRYSTAL.

Called Icom, spoke to someone, asked that they send a crystal and replace
the flexy board they caused to become broken; they told me to send it to
a particular person's attention and it would be fixed free, on a priority
basis, as soon as it got in the door.

Packed it well, with a letter to the person reminding them they had
promised priority repair for free.

Called them about eight days later; it was languishing on a shelf, it
took the tech about ten minutes to find it, and he said he'd get to it the
next day. I verified with him that the repair was to be free; he looked at
the paperwork and said it was.

The radio arrived at my house about a week later... COD, seventy-eight
dollars! The invoice contained all sorts of insults about my soldering

technique (the board was immaculate; I started my _professional_ experience in electronics in 1967), etc. It made me regret having spent the time necessary to remove the flexy board and clean up the solder pads; I should have let that clown go through the trouble. Damn, I even de-fluxed it.

I gave the UPS man a check, stopped payment on it, and mailed Icom a letter giving my reasons and asking them for an explanation, even going so far as to suggest that I wouldn't mind bearing a part of the cost.

It's been a long time (four or five years?) and I have never heard from them.

My new radio is an Alinco DJ180T.

>The technician I spoke to said that someone from their main office is going
>to call me. I have no idea if Icom has a set way of handling this type of
>unusual situation, but I'll find out. Then I can let all of you know
>if Icom is there for you when you really need them.

I'll be waiting with bated breath to see what happens. I hope you have better luck than I did.

--

```
+-----+
|  Cliff Sharp  |      clifto@indep1.chi.il.us   OR  clifto@indep1.uucp   |
|   WA9PDM     |                        Use whichever one works          |
+-----+
```

Date: Sun, 18 Jul 1993 17:31:24 GMT

From: dog.ee.lbl.gov!overload.lbl.gov!agate!spool.mu.edu!nigel.msen.com!caen!
uvaarpa!murdoch!livia.acs.Virginia.EDU!jeg7e@network.ucsd.edu

Subject: LUNCH

To: info-hams@ucsd.edu

In article <52.322.25.0N0F69F0@3avenew.cts.com> philip.childs@3avenew.cts.com
(Philip Childs) writes:

>

>See you Friday at 11:30am.

>Philip

Is that this Friday or next?

AHAHAHAHAHA :)

--

```
-----
\ \ / Jon Gefaell, Computer Systems Engineer      | Amateur Radio - KD4CQY
 \ \ / Information Technology and Communications   | -Will chmod for food-
  \ / The University of Virginia, Charlottesville | Hacker@Virginia.EDU
Any opinions expressed herein are not intended to be construed as those of UVA
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Date: Sun, 18 Jul 1993 18:27:35 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!
spool.mu.edu!olivea!apple.com!netcomsv!netcom.com!netcomsv!bongo!
julian@network.ucsd.edu
Subject: LUNCH
To: info-hams@ucsd.edu

In article <52.322.25.0N0F69F0@3avenew.cts.com> philip.childs@3avenew.cts.com
(Philip Childs) writes:
>See you Friday at 11:30am.
>Philip

My goodness Philip, you are a gregarious fellow.

Thanks for inviting all the world's readers of
wrecked.radio.amateur.missed to lunch.

One question. Are you picking up the tab too?

See you all there.

--
Julian Macassey, N6ARE julian@bongo.tele.com Voice: (213) 653-4495
Paper Mail: 742 1/2 North Hayworth Avenue, Hollywood, California 90046-7142

Date: 18 Jul 93 18:53:44 GMT
From: njitgw.njit.edu!hertz.njit.edu!fab4536@RUTGERS.EDU
Subject: Power lines in car for a mobile radio
To: info-hams@ucsd.edu

I'm about to install a 2 meter mobile radio in my '87 Cavalier. I'm having
some problems finding a path for the power lines. What I want to
do is to route two 10 gauge wires from under the dash directly to the
car battery. I can't find any easily accessible openings in the firewall.
Has anyone with the same type of car or same problem managed to find
a solution? Any help would be appreciated.

-Fred

--

Freddy A. Balady, N2MTA

New Jersey Institute of Technology

fab4536@hertz.njit.edu

Newark, New Jersey

Date: 18 Jul 1993 06:34:53 GMT
From: olivea!inews!ilx018.intel.com!ilx049!dbraun@uunet.uu.net
Subject: QST CD-ROM
To: info-hams@ucsd.edu

A poster alluded to the existence of a CD-ROM with back issues of QST on it. Does anyone know more about this (e.g. where to get it and how much it costs)?

--
Doug Braun (N10WU/4X)

Email: dbraun@iil.intel.com
Intel Mail: IDC1-41
iNet: 8-435-5069 Long Distance: 011-972-4-655069
Fax: 8-435-5999 Long Distance: 011-972-4-655999
Snail Mail: US: Other:
PO Box 311 Intel Israel, Ltd.
Mendham, NJ 07945 IDC1-41
Matam Scientific Center
Haifa, Israel 31015

"There is no human problem which could not be solved if people would simply do as I advise." -- Gore Vidal

Date: Sun, 18 Jul 1993 23:13:14 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!
ux1.cso.uiuc.edu!sdd.hp.com!col.hp.com!news.dtc.hp.com!srngenprp!
alanb@network.ucsd.edu
Subject: QST CD-ROM
To: info-hams@ucsd.edu

Doug Braun (dbraun@ilx049.intel.com) wrote:
: A poster alluded to the existence of a CD-ROM with back issues
: of QST on it. Does anyone know more about this (e.g. where to
: get it and how much it costs)?

Buckmaster Publishing has every issue of QST back to 1914 on microfiche. They advertise in QST. I forget the price, but it's not cheap.

AL N1AL

Date: Sat, 17 Jul 1993 03:22:54 GMT
From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!darwin.sura.net!
perot.mtsu.edu!raider!theporch!jackatak!martinbw@network.ucsd.edu
Subject: Standard C5608DA X-band repeat?
To: info-hams@ucsd.edu

I recently bought a Standard C5608DA Twin Bander Mobile rig. The advertising for this rig says it has a crossband repeat mode and a cloning capability but the owner's manual gives no mention of these capabilities. Can anybody shed some light on these and any other hidden features or modifications? Your help is appreciated.

73
Bruce

* Bruce W. Martin Internet: martinbw@jackatak.raidernet.com *
* 4558 Brooke Valley Dr. AOL: Dragon16 *
* Hermitage TN 37076-2650 HAM Call: KQ4TV *
* Voice: (615) 872-9942 Work: (615) 244-2022 *
* FAX/MODEM: (615) 885-4182 *

Date: (null)
From: (null)
If someone could supply a date. I and millions of silent nerds would be grateful.

ADDITIONAL BANDS FOR THE QUAGI

A number of amateurs have written the author inquiring about the use of the VHF quagi (QST for April 1977) on frequencies other than the three amateur bands for which dimensions were given (144, 220 and 432 MHz). Within the vhf spectrum, mathematically scaling the quagi to other frequencies is a relatively simple matter. To do so, take each dimension given for the amateur band nearest the desired frequency and apply this formula:

 original dimension X original frequency
New Dimension = -----
 new frequency

Thus, the driven element for the ATS-1 and ATS-3 weather satellites at 135.6 MHz would be computed as follows:

$$\text{DE } 135.6 = \frac{82 \times 144.5}{135.6} = 87.38 \text{ in (2.22m)}$$

Each element length and interelement spacing dimension should be scaled to the new frequency using the same formula. Between about 100 and 500 MHz, this mathematical scaling procedure will produce an antenna delivering substantially the same performance as the original design. However the builder should bear in mind that a given element diameter "looks" three times as large at 432 MHz as at 144 MHz, for instance. Unless the diameter is reduced as the frequency increases, the element lengths must be adjusted accordingly. Example: When 1/8-inch rod is used for the director, the 432-MHz quagi requires directors fully 1/4-inch shorter than the mathematical scaling from 2 meters would suggest, and the dimensions given in QST included this correction.

In scaling a quagi to a frequency reasonably close to an amateur band, the calculation may be made from the nearby ham band and this variation in element diameter-to-length ratio may be ignored. But for a frequency far removed from 144, 220 or 432 MHz, it would be best to calculate from amateur bands above and below the desired frequency and then interpolate between the two sets of dimensions.

For frequencies significantly higher than 500 MHz or lower than 100 MHz, construction techniques would typically vary so much from the original design that the correct element lengths may be expected to deviate substantially from those mathematically derived. The best approach in such a case would be to experimentally determine the correct element lengths.

Wayne Overbeck, N6NB, Pepperdine University, Malibu, California 90265

Current address from March 1993 FCC records:

Call-Sign: N6NB	Class: EXTRA
Real Name: WAYNE E OVERBECK	Birthday: JAN 3, 1943
Mailing Address: 14021 HOWLAND, TUSTIN, CA 92680	
Valid From: OCT 6, 1987	To: OCT 6, 1997

Wayne Overbeck is a Vice Director of the ARRL (South Western Div) and his address and phone number are in QST.

--

Julian Macassey, N6ARE julian@bongo.tele.com Voice: (213) 653-4495
Paper Mail: 742 1/2 North Hayworth Avenue, Hollywood, California 90046-7142

End of Info-Hams Digest V93 #870
